

CLAIMS

1. A data measuring apparatus for measuring a predetermined biological characteristic of a subject, the apparatus including:

5 a characteristic conversion unit operable to convert a characteristic of a subject into information indicating predetermined electric quantity;

an information transmission unit operable to transmit the information indicating the converted electric quantity to another
10 predetermined apparatus; and

a data reception unit operable to receive, from said another apparatus, data which is added with a unit indicating the biological characteristic of the subject.

15 2. A health care data acquisition system comprising a data measuring apparatus for measuring a biological characteristic of a subject and a data management apparatus for managing data of said characteristic, said data measuring apparatus and data management apparatus being connected to each other via a
20 network,

wherein said data measuring apparatus includes:

a characteristic conversion unit operable to convert a characteristic of a subject into information indicating predetermined electric quantity; and

25 an information transmission unit operable to transmit the information indicating the electric quantity to said data management apparatus, and

said data management apparatus includes:

30 a reception unit operable to receive the information from said data measuring apparatus;

a data conversion unit operable to convert said electric quantity into data which is added with a unit indicating the biological

characteristic of the subject, based on said received information;
and

a return unit operable to return said converted data to said
data measuring apparatus.

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3. The health care data acquisition system according to Claim 2,
wherein said characteristic conversion unit has:

a conversion unit including a sensor which converts said
characteristic into a predetermined electric quantity; and

10 an interface unit including a measuring unit for producing
information which indicates said converted electric quantity,

wherein said sensor and said measuring unit are respectively
corresponded with property information indicating respective
attribute,

15 said characteristic conversion unit further specifies said
property information,

said information transmission unit further transmits said
predetermined property information to said data management
apparatus, and

20 said data conversion unit of said data management apparatus
converts said property information into health care data taking said
property information into account.

4. The health care data acquisition system according to Claim 3,

25 wherein said data conversion unit of said data management
apparatus performs said conversion based on calibration curve data
which relates said predetermined electric quantity to said
characteristic of the subject.

30 5. The health care data acquisition system according to Claim 4,
wherein said data management apparatus further includes a
memory unit operable to memorize calibration curve data

corresponding to said property information, and

said data conversion unit selects calibration curve data from said memory unit, according to said property information, and performs said conversion based on the selected calibration curve data.

6. The health care data acquisition system according to Claim 5, wherein said memory unit memorizes calibration curve data which corresponds to a pair of said property information of the sensor and said property information of the measuring unit.

7. The health care data acquisition system according to Claim 6, wherein said data management apparatus further includes a direction reception unit operable to receive a direction from an operator, and

said memory unit further memorizes new calibration curve data which corresponds to a pair of new property information of said sensor and new property information of said measuring unit, based on said direction.

8. The health care data acquisition system according to Claim 7, wherein said property information of the sensor is an ID number capable of specifying a current sensor, and

said property information of the measuring unit is an ID number capable of specifying a current unit.

9. The health care data acquisition system according to Claim 7, wherein said property information of the sensor indicates at least one of the following information: a type of body fluid which is a measuring subject of the current sensor, a manufacturing number or a manufacturing lot number of a measuring unit which matches the current sensor, and a valid period of the current sensor.

10. The health care data acquisition system according to Claim 7,
wherein said property information of the measuring unit
indicates at least one of the following information: a type of body
fluid which is a measuring subject of the current measuring unit, a
manufacturing number or a manufacturing lot number of a sensor
which matches the current measuring unit, and a valid period of the
current measuring unit.

11. The health care data acquisition system according to Claim 2,
wherein said data management apparatus further includes:
a first detection unit operable to detect that said data
measuring apparatus has transmitted the information to said data
management apparatus;

a second detection unit operable to detect that said data
management apparatus has transmitted the health care data to said
data measuring apparatus; and

a charging unit operable to charge a predetermined amount
to at least one of said data measuring apparatus and said data
management apparatus in the case where each of said transmissions
is detected by said first detection unit and said second detection
unit.

12. The health care data acquisition system according to Claim
11,

wherein said first detection unit further calculates the number
of times the information has been transmitted,

said second detection unit further calculates the number of
times the health care data has been transmitted, and

said charging unit charges the predetermined amount
according to respective number of times the information has been
transmitted as calculated by the first detection unit and the health

care data has been transmitted as calculated by the second detection unit.

13. A data measuring method for measuring a predetermined biological characteristic of a subject, the method comprising:

a characteristic conversion step for converting a characteristic of a subject into information indicating predetermined electric quantity;

an information transmission step for transmitting the information indicating the converted electric quantity to another predetermined apparatus; and

a data reception step for receiving data which is added with a unit indicating the biological characteristic of the subject from said another apparatus.

14. A health care data acquisition method for a system comprising a data measuring apparatus for measuring a biological characteristic of a subject and a data management apparatus for managing data of said characteristic, said data measuring apparatus and data management apparatus being connected to each other via a network,

wherein in said data measuring apparatus the following steps are performed:

a characteristic conversion step for converting a characteristic of a subject into information indicating predetermined electric quantity; and

an information transmission step for transmitting the information indicating the electric quantity to said data management apparatus, and

in said data management apparatus the following steps are performed:

a reception step for receiving the information from said data

measuring apparatus;

a data conversion step for converting said electric quantity into data which is added with a unit indicating the biological characteristic of the subject, based on said received information;

5 and

a return step for returning said converted data to said data measuring apparatus.

15. A program for a data measuring apparatus which measures a
10 predetermined biological characteristic of a subject, the program comprising:

a characteristic conversion step for converting a characteristic of a subject into information indicating predetermined electric quantity;

15 an information transmission step for transmitting the information indicating the converted electric quantity to another predetermined apparatus; and

a data reception step for receiving data which is added with a unit indicating the biological characteristic of the subject from said
20 another apparatus.